

TOPFLEX® 600-C-PVC

EMC-preferred type, with inner sheath



HELUKABEL® TOPFLEX® 600-C-PVC 4G2,5 QMM / 22961 0,6/1 kV CE

TECHNICAL DATA

PVC motor supply cable in alignment with DIN VDE 0285-525-1 / DIN EN 50525-1

Temperature range	flexible -15°C to +80°C fixed -40°C to +80°C
Nominal voltage	AC U ₀ /U 600/1000 V
Test voltage core/core	4000 V
Breakdown voltage	8000 V
Coupling resistance	at 30 MHz, approx. 250 Ohm/km
Minimum bending radius	flexible 7.5x Outer-Ø fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: PVC
- Core identification acc. to DIN VDE 0293-334, black cores with consecutive labeling in white digits
- G = with protective conductor GN-YE
- Cores stranded with optimal lay lengths
- Inner sheath: PVC
- Screen: braided screen of tinned copper wires, approx. coverage 85%
- Outer sheath: Special-PVC
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- largely resistant to: oil, for details, see "Technical Information"
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- certifications and approvals: EAC

APPLICATION

Used as a supply line for electronically controlled servo motors and for connection to DNC motors. The cable is suitable for fixed and flexible installation with medium mechanical loads, in dry, damp or wet rooms. EMC = Electromagnetic compatibility; in order to optimise the EMC properties, we recommend a double-sided and all-round large contact area of the copper braiding.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
22960	4 G 1.5	16	11.8	99.0	250.0
22961	4 G 2.5	14	13.8	169.0	360.0
22962	4 G 4	12	15.7	234.0	530.0
22963	4 G 6	10	17.3	316.0	620.0
22964	4 G 10	8	21.5	549.0	1050.0
22965	4 G 16	6	26.1	807.0	1465.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
22966	4 G 25	4	31.7	1169.0	1920.0
22967	4 G 35	2	34.5	1680.0	2515.0
22856	4 G 50	1	40.7	2370.0	3315.0
22857	4 G 70	2/0	46.0	3257.0	4600.0
22858	4 G 95	3/0	51.3	4060.0	6060.0
22859	4 G 120	4/0	56.4	5231.0	7315.0